

ABSTRACT

[46] The present invention relates to ion fragmentation techniques by electron-ion reactions in multipolar radiofrequency fields like those in quadrupole ion traps or in ion guides, and devices to perform ion fragmentation by such techniques. The fragmentation techniques are useful for tandem mass spectrometry. The invention consists of the application of a magnetic field essentially parallel to the axis of the radiofrequency field to confine the electrons in the direction perpendicular to the magnetic field.

10